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B6*

~~CLAIMS:~~

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A1*
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1. Plasma display device comprising a dielectric layer (5, 9, 28) separating electrodes (2, 4, 3, 8, 25, 24) from a discharge chamber (11, 22), characterized in that the dielectric layer (5, 9, 28) comprises a transparent metal oxide matrix in which alkyl groups are present.
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2. Plasma display device as claimed in claim 1, characterized in that the dielectric layer (5, 9, 28) is thicker than 10 micrometer.  
Plasma display device as claimed in claim 2, characterized in that the dielectric layer is thicker than 15 micrometer.
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3. Plasma display device as claimed in claim 1, characterized in that the dielectric layer comprises more than one sub-layer.
4. Plasma display device as claimed in claim 1, characterized in that the transparent metal oxide is silicon oxide.
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5. Plasma display device as claimed in claim 1, characterized in that the alkyl group is methyl or ethyl.
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6. Plasma display device as claimed in claim 6, characterized in that the alkyl group is methyl.
7. Plasma display device according to claim 1 characterized in that a layer (33) absorbing radiation having a wavelength  $\lambda \geq 175$  nm is present between the dielectric layer (5, 9, 2, 8) and the discharge chamber (11, 22).
8. Plasma display device according to claim 7 characterized in that the absorbing layer (33) comprises zirconium oxyde.

11. Method as claimed in claim 8, characterized in that the pre-cursor layer is applied by dip-coating, preferably in more than one layer.

Add A2